Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A heat exchanger, comprising:

a first collecting vessel and a second collecting vessel configured for a first medium, wherein the first and second collecting vessels each have a first media connection for the first medium and are connected to one another in a communicating manner via at least one heat exchanger element,

a housing which accommodates the heat exchanger element, wherein the housing is configured to conduct a second medium in an interior of the housing and has second media connections for the second medium,

wherein the housing is configured in such a way that at least one of the first and second collecting vessels is accommodated in the interior of said housing at a distance from an inner wall of the housing in at least a portion of the housing,

wherein the housing is in a shape of a bone that has two thick portions and a relatively thin portion between the two thick portions when viewed in longitudinal section or in a shape that is approximated to a bone shape that has two thick portions and a relatively thin portion between the two thick portions,

wherein the at least one heat exchanger element is located in the relatively thin portion.

2. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the housing completely accommodates the first and second collecting vessels.

3. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the second media connections and the first and second collecting vessels are configured in such a way that the first collecting vessel is located between one second media connection and the heat exchanger element, and the second collecting vessel is located between another second media connection and the heat exchanger element.

4. (Previously Presented) The heat exchanger as claimed in claim 1, wherein a direction of flow of the first medium in the collecting vessels is in a transverse direction with respect to a direction of flow of the first medium in the heat exchanger element.

5. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the second media connections point approximately in a direction of flow of the first medium in the heat exchanger element.

6. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the first media connections point in a transverse direction with respect to a direction of flow of the first medium in the heat exchanger element.

7. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the first media connections point in approximately in a direction of a longitudinal extent of the collecting vessels.

8. (Previously Presented) The heat exchanger as claimed in claim 1, wherein a respective first media connection is aligned with a longitudinal extent of an associated first or second collecting vessel.

9. (Canceled)

10. (Previously Presented) The heat exchanger as claimed in claim 1, wherein walls and associated bottom and top walls of the housing bear snugly against the heat exchanger element.

11. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the housing forms a housing section of a fan housing of a fan.

12. (Previously Presented) The heat exchanger as claimed in claim 11, wherein the fan housing is a helical housing.

13. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the heat exchanger is a counter flow heat exchanger.

14. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the heat exchanger is a co current heat exchanger.

15. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the heat exchanger is a charge-air cooler for motor vehicles.

16. (Previously Presented) The heat exchanger as claimed in claim 15, wherein the charge-air cooler is for utility vehicles.

17. (Previously Presented) The heat exchanger as claimed in claim 1, wherein the housing and the first and second collecting vessels are configured so that the second medium flow has a laminar flow through the heat exchanger.

18. (Previously Presented) The heat exchanger as claimed in claim 1, wherein at least one of the first and second collecting vessels is configured so that the second medium flow around the collecting vessel in a laminar fashion.